was a 20 mer probe such as (3')-AGG TCT TCT GGT CTC CTT TA (5') (SEQ ID NO:1), with the 3' end attached to the surface. The non-photolabile protecting groups were removed post synthesis in 1:1 ethylenediamine/ethanol (v/v) for a minimum of 4 hours.

Hybridization assays were performed on glass slides without further processing. Each slide was placed in about 10-15 mls of 10-50 nM target oligonucleotide in hybridization buffer with gentle stirring. The two hybridization buffers used is 6x SSPE. The target sequence is the exact complement of the probe sequence, such as: (5') Fluorophore- TCC AGA AGA CCA GAG GAA AT (SEQ ID NO:2).

## REMARKS

Applicant has amended the specification to include sequence identifiers. Applicant has enclosed a sequence listing (both paper and computer readable form versions) that contain the sequences shown in the specification, as requested by the Examiner.

In accordance with 37 C.F.R. § 1.821(c), enclosed is a paper copy of the Sequence Listing. Applicant respectfully requests that the application be amended to include the paper copy of the sequence listing as part of the application.

In accordance with 37 C.F.R. § 1.821(e), enclosed is a 3.5 inch computer disk that contains a computer readable form of the paper Sequence Listing. The disk is in IBM PC format and contains the computer readable form of the paper "Sequence Listing" in ANSI text format, as the file name "03848-00050 seq listing.ST25". The computer readable form of the sequence listing is identical to the sequence listing submitted on paper, as required by 37 C.F.R. § 1.821(f), and contains no new matter.

## STATEMENT UNDER 37 C.F.R. § 1.821(f)

In accordance with 37 C.F.R. § 1.821(f), I hereby state that the hard copy and the computer readable form of the Sequence Listing submitted herewith in the above-identified patent application are supported in the application, contain no new matter, and contain the same substantive sequence information.

Respectfully submitted,

Dated: December 26, 2001

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## Version of Amendments with Markings to Show Changes Made

In the specification:

At page 36, lines 4-14:

Full length probes capable of hybridization, typically 20-mer probes, were synthesized using Affymetrix synthesizers as described in patent 5,405,783, using nucleoside phosphoramidites equipped with 5'-photolabile MeNPOC protecting groups. The sequence used was a 20 mer probe such as (3')-AGG TCT TCT GGT CTC CTT TA (5') (SEQ ID NO:1), with the 3' end attached to the surface. The non-photolabile protecting groups were removed post synthesis in 1:1 ethylenediamine/ethanol (v/v) for a minimum of 4 hours.

Hybridization assays were performed on glass slides without further processing. Each slide was placed in about 10-15 mls of 10-50 nM target oligonucleotide in hybridization buffer with gentle stirring. The two hybridization buffers used is 6x SSPE. The target sequence is the exact complement of the probe sequence, such as: (5') Fluorophore- TCC AGA AGA CCA GAG GAA AT (SEQ ID NO:2).